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PD

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/513,216 02/24/00 KOENCK

S 10306US13

MM91

Christopher C Winslade  
Mcandrews Held & malloy Ltd  
500 West Madison Street Suite 3400  
Chicago IL 60661

MM91/0330

EXAMINER

TIRBITTS.P

ART UNIT

PAPER NUMBER

2838  
DATE MAILED:

//  
03/30/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Notice of Allowability

Application No.

09/513,216

Applicant(s)

Koenck

Examiner

Pia Tibbits

Group Art Unit

2838



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to the RCE filed 1/12/01 and amendments filed 3/15/2001

☒ The allowed claim(s) is/are 1-55

☒ The drawings filed on Feb 24, 2000 are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☐ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. \_\_\_\_\_

☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

## Attachment(s)

☐ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 9

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

☒ ATTACHMENT TO PTO-37

Peter S. Wong  
Supervisory Patent Examiner  
Technology Center 2800



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

MM91/0330

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/513,216	02/24/00	055	TIBBITS, P	2838 03/30/01
First Named Applicant	KOENCK, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION BATTERY PACK HAVING MEMORY

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3 10306US13	320-150.000	E39	UTILITY	NO	\$1240.00	07/02/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

- I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
  - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
  - B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
  - A. Pay FEE DUE shown above, or
  - B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

PATENT AND TRADEMARK OFFICE COPY

SP  
B/ee/21

### DETAILED ACTION

This Office action is in answer to the RCE filed January 12, 2001.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in telephone interviews with Mr. Chris Winslade at 312/707-8889 on March 15, 2001.
3. The application has been amended as follows:

In the abstract: the abstract has been with a new abstract, as noted below:

C/ ---In an exemplary embodiment, a battery powered system includes a display, a battery, a first controller operatively coupled to the battery, and a second controller operatively coupled to the first controller and to the display. The first controller receives signals from the battery relating to one or more battery parameters (such as, for example, temperature), and, based on the signals received, causes the supply of one of multiple charging currents to the battery for charging. In one embodiment, the second controller receives signals from the first controller related to the battery parameter(s), and uses those signals to determine the charging current. In any case, the second controller receives signals from the first controller related to the charging of the battery, and causes information, related to the charging of the battery, to be displayed. The system may also include a

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portable device housing that houses one or both of the controllers and an associated battery pack that houses the battery, as well as a charger for charging the battery. The system enables a user of the device to be apprised of charging status or other information related to the charging of the battery.---

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In the claims:

Claim 2, line 3: "controller" has been replaced by ---controllers---.

Claim 7, line 1: "at least one of discrete circuitry and an integrated circuit" has been replaced by ---a central processing unit---.

Claim 51, line 1: "controller" has been replaced by ----second controller---.

***Allowable Subject Matter***

4. Claims 1-55 are allowed.
5. The following is an examiner's statement of reasons for allowance:

With respect to claims 1-55: none of the references of record **prior to applicant's filing date** discloses, teaches, or suggests an apparatus for a battery powered utilization device including two controllers, where the first controller receives input regarding battery parameters, such as temperature, and relates the information to the second controller which controls and displays the charging current accordingly.

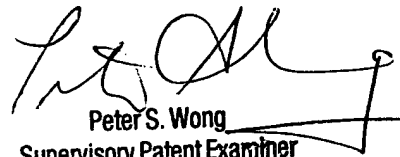
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Pia Tibbits whose telephone number is (703) 308-7305.

PFT

March 22, 2001



Peter S. Wong  
Supervisory Patent Examiner  
Technology Center 2800